CLAIMS

1. A bed foundation, comprising:

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- a rectangular top panel having opposite sides, opposite ends, and four corners;
- a pair of side panels and a pair of end panels depending
 downwardly from opposite sides and ends of the top panel, respectively,
 to form a box-like enclosure having an open lower end;

a corner support at each corner of the enclosure, each corner support having a lower face and a bore extending upwardly from the lower face of the corner support for receiving the end of a support leg for supporting the enclosure at a position raised above a floor surface; and

the panels and corner supports being of expanded rigid plastic foam 12 material.

- 2. The foundation as claimed in claim 1, wherein the top panel, side
 panels, end panels and corner supports are formed integrally in one piece.
- 3. The foundation as claimed in claim 1, wherein the top panel, sidepanels, end panels and corner supports are formed separately.
- 4. The foundation as claimed in claim 3, including securing devices for
 securing the top, side and end panels and corner supports together to form said box-like enclosure.
- 5. The foundation as claimed in claim 1, wherein at least one cross braceextends between the side panels.

- 6. The foundation as claimed in claim 5, including a leg mounting block
 secured to said cross brace, the leg mounting block having a downwardly facing mounting bore for mounting an additional support leg.
- 7. The foundation as claimed in claim 1, wherein the side panels eachhave at least one opening.
- 8. The foundation as claimed in claim 7, wherein the openings arerectangular.
- 9. The foundation as claimed in claim 7, wherein the openings arecircular.
- 10. The foundation as claimed in claim 7, wherein the openings extendover at least 50% of the total surface area of the respective panel.
- 11. The foundation as claimed in claim 1, wherein one end panel hashorizontal slots for mounting of a head board.
- 12. The foundation as claimed in claim 1, wherein the expanded rigid
 plastic foam material is selected from the group consisting of phenolic, urethane, and poly-isocyanate rigid foam.
- 13. The foundation as claimed in claim 12, wherein the foam is of theclosed cell variety.
- 14. The foundation as claimed in claim 12, wherein the foam has adensity in the range from 5 to 20 pounds per cubic foot.

15. The foundation as claimed in claim 1, wherein the top panel has a
lower layer of the same foam material as the side and end walls, and an upper layer, the upper layer comprising a flexible foam layer.

16. A bed foundation, comprising:

- a rectangular panel of expanded rigid plastic foam material, the panel having an upper face, opposite sides, opposite ends, and four
 corners:
- each corner having a lower face and a bore extending upwardly

 from the lower face; and
- a support leg mounted in the bore at each corner of the panel for supporting the panel at a spacing above a floor surface.
- 17. The foundation as claimed in claim 16, further comprising a plurality
 of springs secured to the upper surface of the panel, and a cover enclosing the springs.
- 18. The foundation as claimed in claim 16, wherein the panel is ofuniform thickness and has flat upper and lower faces.
- 19. The foundation as claimed in claim 16, wherein the panel has a lowerface having a plurality of recesses.
- 20. The foundation as claimed in claim 19, wherein the recesses arerectangular recesses extending parallel to the ends of the panel.
- 21. The foundation as claimed in claim 16, further comprising a pair ofside panels and a pair of end panels depending downwardly from opposite

- sides and ends of the rectangular panel, respectively, to form a box-like enclosure having an open lower end.
- 22. The foundation as claimed in claim 16, wherein the expanded rigid
 plastic foam material is selected from the group consisting of phenolic, urethane, and poly-isocyanate rigid foam.
- 23. The foundation as claimed in claim 22, wherein the foam is of theclosed cell variety.